Docket No.: TIC-0052

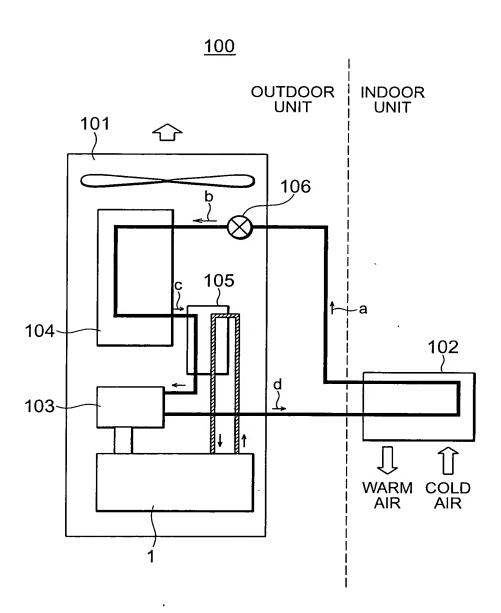
App No.: Not yet assigned.

Title: Internal Combustion Engine and Control Device for the Internal Combustion Engine Inventors: Hiroshi Kuzuyama and Kenji Kawai

Attorney: Michael P. Dunnam, Esquire

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FIG. 1

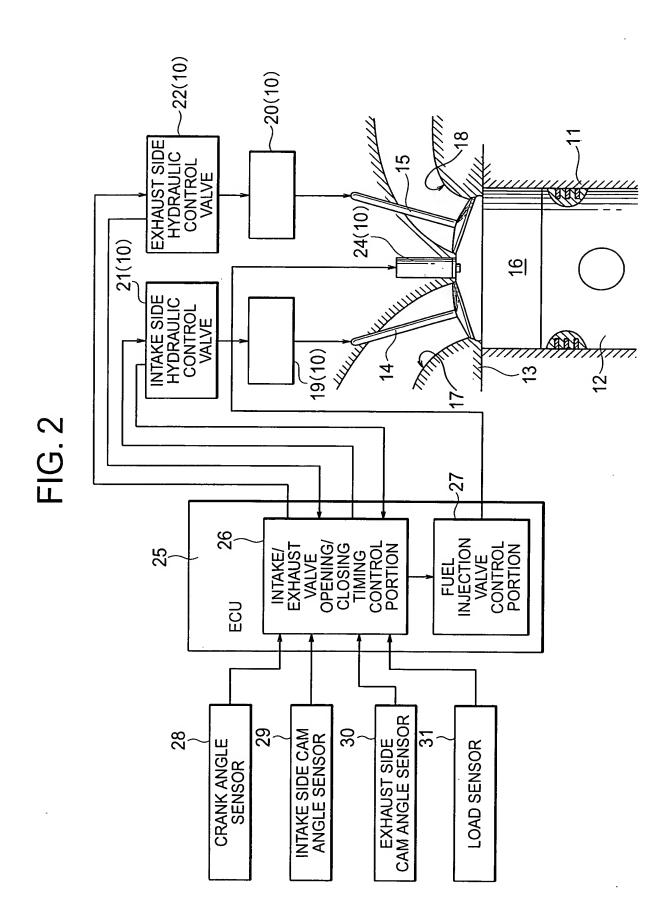


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Title: Internal Combustion Engine and Control Device for the Internal Combustion Engine Inventors: Hiroshi Kuzuyama and Kenji Kawai Attorney: Michael P. Dunnam, Esquire

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Title: Internal Combustion Engine and Control Device for the Internal Combustion Engine Inventors: Hiroshi Kuzuyama and Kenji Kawai Attorney: Michael P. Dunnam, Esquire Phone: (215) 568-3100

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FIG. 3

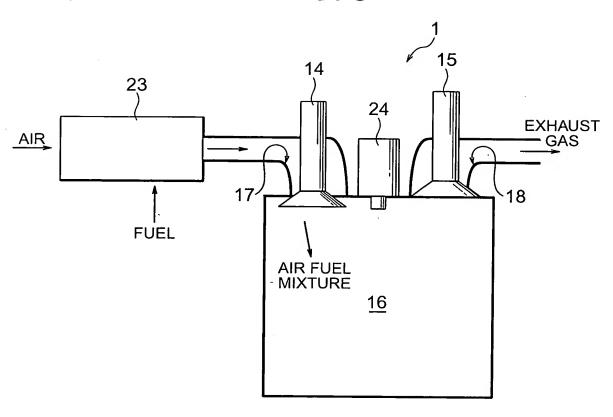
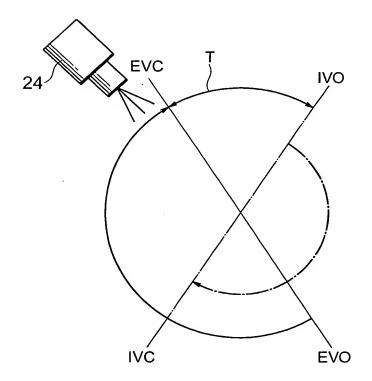
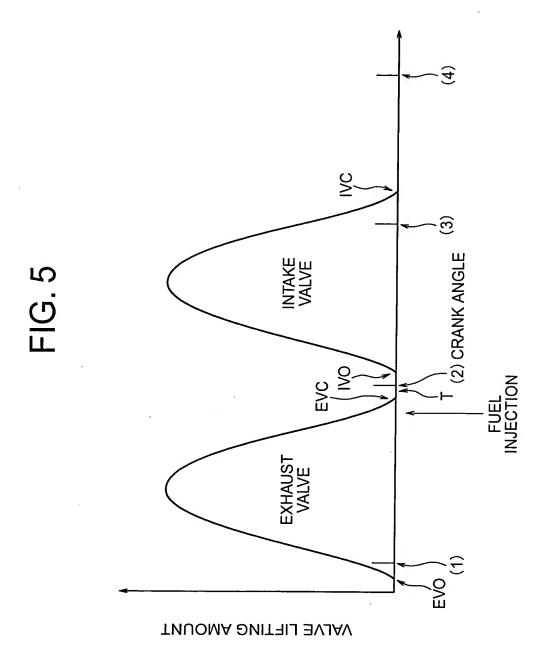


FIG. 4







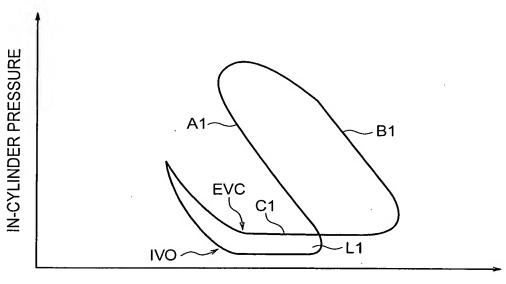
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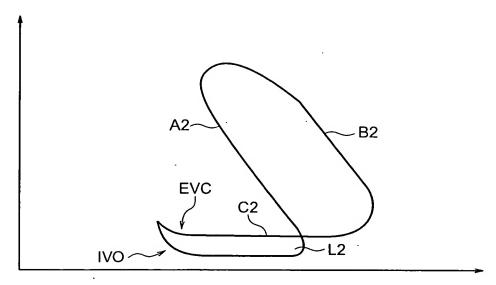
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FIG. 6A



IN-CYLINDER VOLUME

FIG. 6B



IN-CYLINDER VOLUME

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Attorney: Michael P. Dunnam, Esquire

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FIG. 7

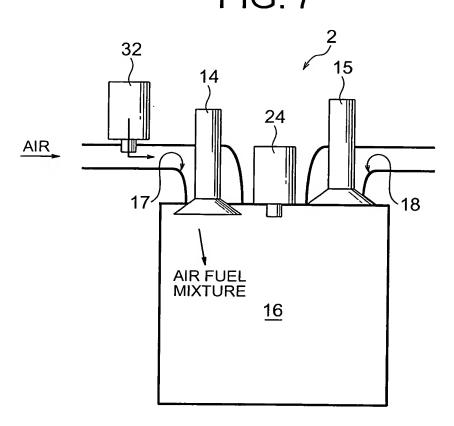
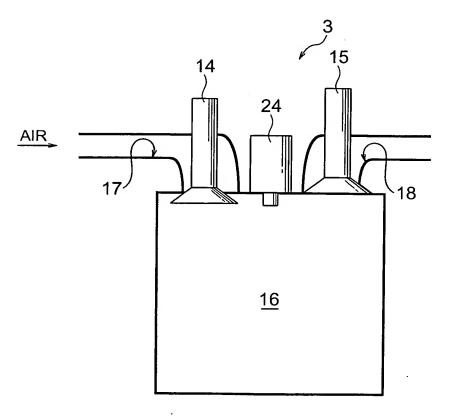


FIG. 8



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FIG. 9

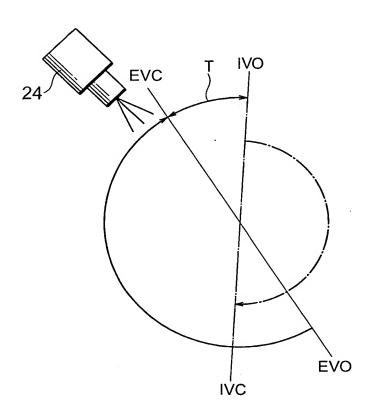


FIG. 10

